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| FORM PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 5000-4996 | | SERIAL NO. TBA | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANTS: Manabu SUGIURA, et al. | | | |
| | | | | FILING DATE February 27, 2002 | | GROUP ART UNIT TBA | |

31045 U.S. PTO
 10/085453
 02/27/02

| U.S. PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| ML | 5,974,946 | 11/2/1999 | Kanou, et al. | 92 | 71 | 11/20/1997 | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | |
| | | | | | | YES | NO | |
| ML | 59-231181 A | 12/25/1984 | JAPAN | F04B | 25/04 | Relevant English Translation | | |
| ML | 08-199327 | 8/6/1996 | JAPAN | C23C | 4/04 | English Abstract Only | | |
| ML | 09-209926 | 8/12/1997 | JAPAN | F04B | 27/08 | English Abstract Only | | |
| ML | 10-153169 A | 6/9/1998 | JAPAN | F04B | 27/08 | English Abstract Only | | |
| ML | 10-008230 | 1/13/1998 | JAPAN | C23C | 4/06 | English Abstract Only | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.) | | |
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| EXAMINER <i>Michael Lee</i> | DATE CONSIDERED 7/8/2003 |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.